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# YALE UNIVERSITY

# Department of Forestry

(YALE FOREST SCHOOL)

1900–1901

New Haven
THE TUTTLE, MOREHOUSE & TAYLOR CO.
1900

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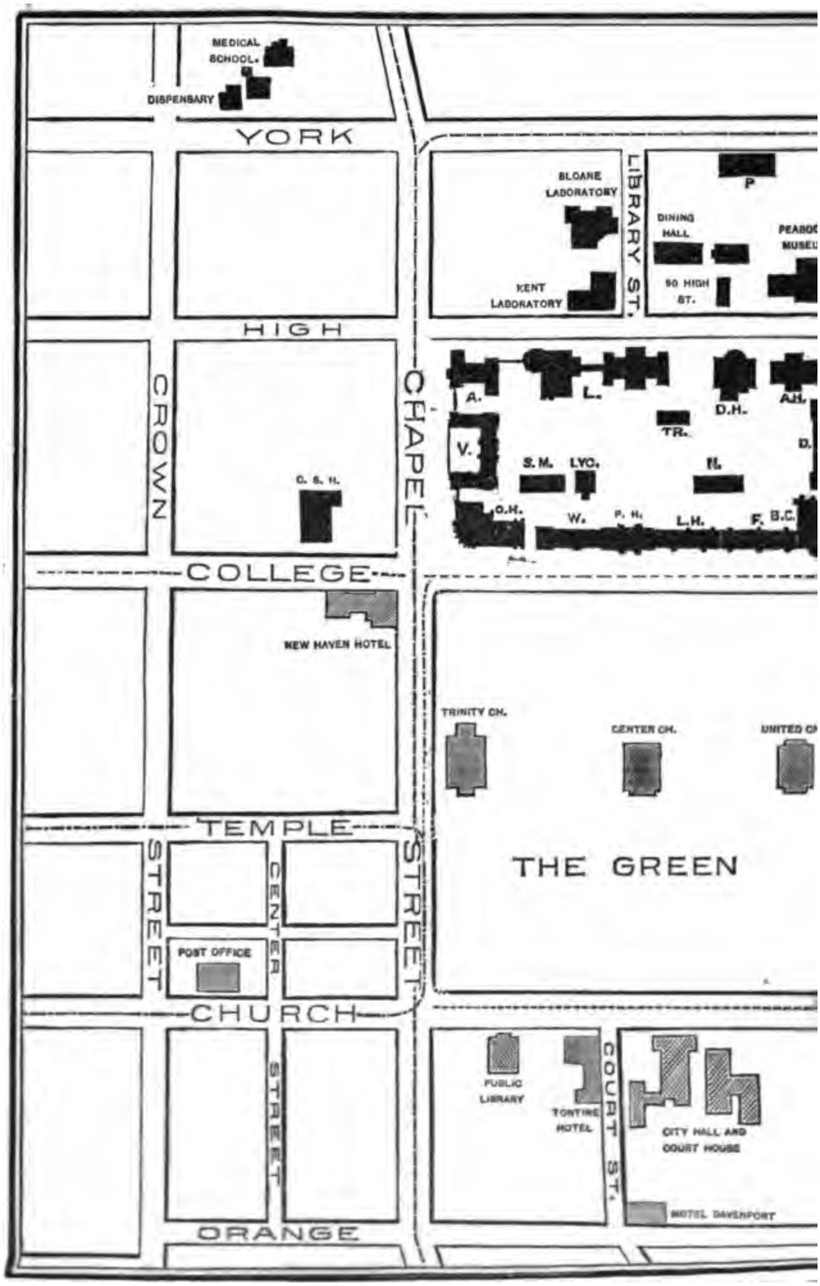

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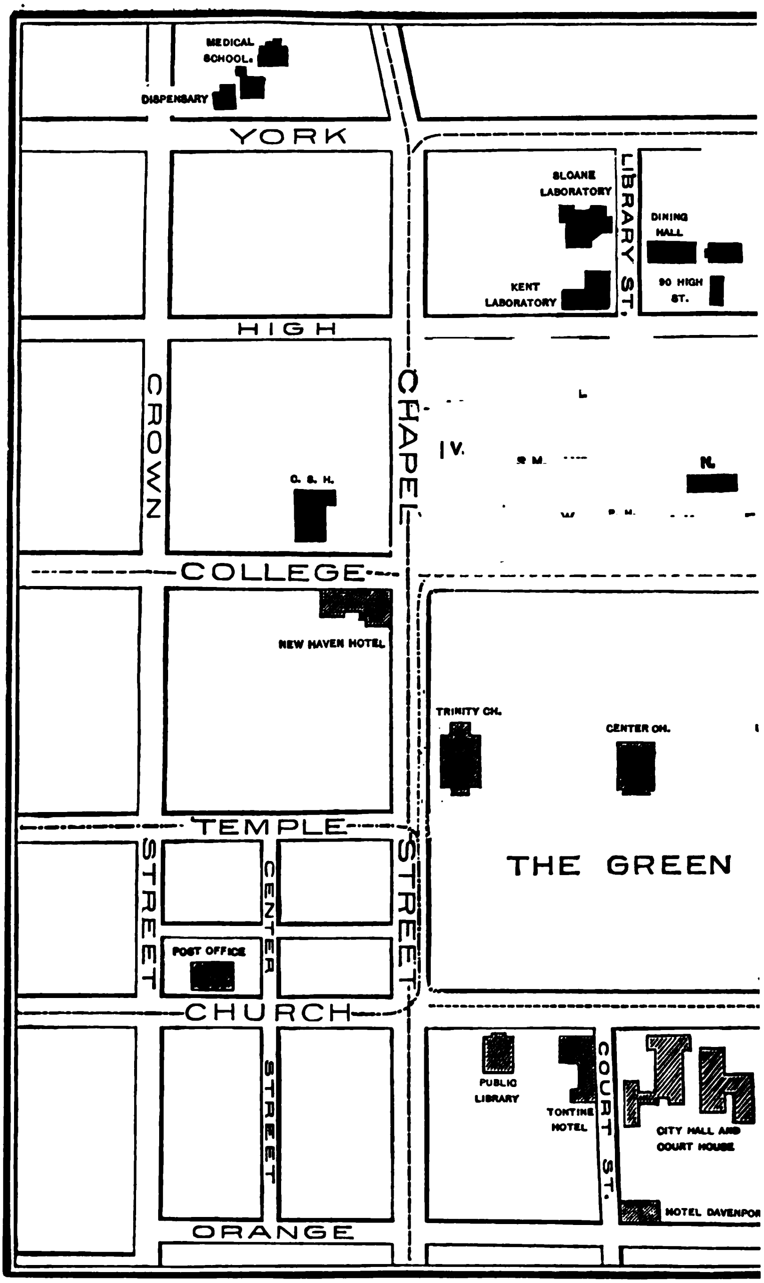

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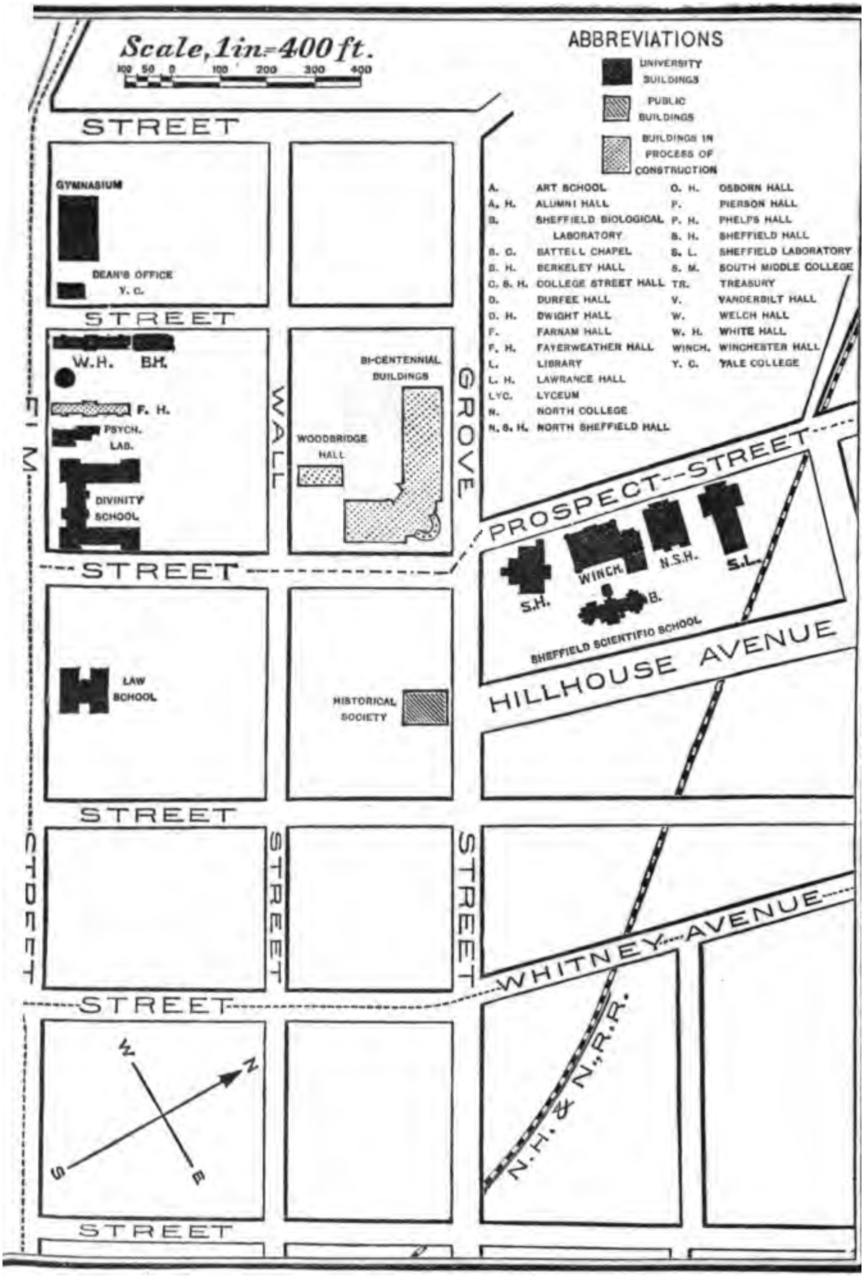

# YALE UNIVERSITY

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# YALE FOREST SCHOOL

## GOVERNING BOARD

Arthur Twining Hadley, LL.D., President
Henry Solon Graves, M.A., *Pinchot Professor of Forestry*
William Henry Brewer, Ph.D., *Professor of Agriculture*
Gifford Pinchot, B.A., *Special Lecturer on Forest Policy.*

## ADDITIONAL INSTRUCTORS

James William Toumey, M.S., *Assistant Professor of Forestry*
Addison Emery Verrill, M.A., *Professor of Zoology*
Samuel Lewis Penfield, M.A., *Professor of Mineralogy*
Louis Valentine Pirsson, Ph.B., *Professor of Physical Geology*
Alexander William Evans, M.D., Ph.D., *Instructor in Botany*
Hon. Edwin Baker Gager, B.A., *Instructor in Law*
——— ——— *Assistant in Civil Engineering*

## SPECIAL LECTURERS

Short courses of lectures will be given to the first year students on State and National Forestry by Mr. Gifford Pinchot, Forester in the U. S. Department of Agriculture, and on Forest Hydrography by Mr. F. H. Newell, chief of the Division of Hydrography, U. S. Geological Survey. The course in Forest Protection will include a short series of lectures on Forest Entomology by Mr. A. D. Hopkins, Vice Director of the West Virginia Agricultural Experiment Station. A special lecturer will be engaged for the course in Forest Law, and, in connection with the course in Lumbering, it is expected that lectures will be given by men from different parts of the country who are actively engaged in various branches of the lumber business. It is further expected that arrangements will be made for other lectures on special subjects relating to Forestry by scientific experts.

## ENDOWMENT

The Yale Forest School has been made possible by the gift of $150,000 from Mr. and Mrs. James W. Pinchot and their sons, Gifford and Amos R. E. Pinchot. The gift provides for the establishment of a department in the University, to be known as the Yale Forest School, for instruction and research in Forestry.

Provision is also made in the gift for a Summer School of Forestry at Grey Towers, Milford, Pike County, Pennsylvania, the estate of Mr. James W. Pinchot, a portion of which has been placed at the disposal of the Forest School for 21 years. The estate contains a tract of woodland for practical forest instruction, with open ground for planting, and the donors stand ready to furnish such equipment as may be necessary for the school. Mr. J. W. Pinchot has further generously agreed to place in the public library in the village of Milford a large collection of books relating to Forestry, for the use of the school.

## EQUIPMENT

For the present the house of the late Prof. O. C. Marsh, 360 Prospect Street, will be used for the Forest School. Lecture rooms, a library, a laboratory, and an herbarium room have already been furnished with such equipment as is necessary for the present needs of the school. The library already contains, through gifts and through purchase, over 1,500 books and pamphlets. A considerable amount of material has already been acquired for the herbarium and for a museum and is now being classified and arranged.

Through coöperation with the Sheffield Scientific School and the Peabody Museum, the use of the extensive botanical, mineralogical, and zoological collections of these departments has been extended to the Forest School.

The practical field work during the first year and the first half of the second year is conducted upon woodlands at and near New Haven. The most important tract devoted to this purpose is Maltby Park, an area of about 400 acres, the use of which has been offered to the School by the New Haven Water Company. The courses have been so arranged that the entire spring term of the second year will be spent in the field in Pennsylvania, in the Adirondack Mountains of New York, and in the White Mountains of New Hampshire. The tract of land at Milford, Pennsylvania, included in the gift for the use of the Summer School of Forestry, will also be used for the practical field work of the Forest School during the first part of the spring term of the second year. The land is admirably adapted to forest instruction, since it represents the average conditions prevailing in the eastern hardwood region. Large tracts in the Adirondacks and White Mountains have been offered to the school for practical forest instruction by Mr. William Rockefeller and the International Paper Co., and the owners have expressed their willingness to provide camps for the accommodation of the students.

## DEGREE

Graduates of the Forest School, who have previously received Bachelors' degrees from collegiate institutions of high standing or have had a training, which in the judgment of the Corporation is equivalent to that obtained in such institutions, will be granted the degree of Master of Forestry.

## SPECIAL STUDENTS

Under exceptional circumstances students who are not candidates for a degree, but who can show their fitness to pursue the courses given in the Forest School, may be admitted without examination. It is, however, the policy of the Governing Board to encourage the students to take the full course at the Forest School, rather than a special or partial course; and those students who wish to take a short course in Forestry, and are unable to pass the entrance examinations to the Yale Forest School, are advised to avail themselves of the privileges offered by the Summer School at Milford, Pennsylvania, which is intended to meet their special requirements.

## TERMS AND VACATIONS

There are two terms in each year. The first term begins, in 1901, on Thursday, September 26, and continues twelve weeks. The second term begins on the Tuesday after the first Thursday in January and continues until Commencement Day, with a spring recess of eight days, including Easter.

## FEES AND EXPENSES

The annual charge for tuition is $100. A special fee of five dollars is charged to those who use the gymnasium and one of two dollars to those admitted to the College reading-room.

Frequent excursions will be taken to points of interest near New Haven, but the total annual expense for each student will probably not exceed $25. In the spring of the second year the work will be transferred from New Haven to the field, the first few weeks being spent in Pennsylvania and the remaining time in the Adirondacks. The traveling expenses will be about $60 for each student exclusive of his subsistence while in the woods, which will probably not exceed $5 per week. The fee for graduation is $5.

Board and lodgings can be obtained in New Haven at prices ranging from $5 per week upwards.

For expenses connected with the Summer School of Forestry see page 16.

## TERMS OF ADMISSION

Applicants for admission to the Forest School must be not less than 20 years of age, and must produce certificates of good moral character.

Graduates of colleges or scientific schools of high standing will be admitted without examination provided they can show the requisite knowledge of Botany, Geology, and Inorganic Chemistry. Candidates who are not graduates from collegiate institutions of high standing will be required to pass an entrance examination in the subjects outlined below.

1 *Mathematics.*

*Algebra to Quadratics.*—Fundamental Operations, Fractions, Equations of the First Degree, with one or several unknown quantities, Inequalities, Powers and Roots, including the Theory of Exponents, the Binomial Formula for a Positive Entire Exponent, and the Transformation and Reduction of Radicals.

*Algebra from Quadratics.*—Equations of the Second Degree, Ratio and Proportion, Progressions, Continued Fractions, Permutations and Combinations, the Doctrine of Limits, the Nature of Series, the Method of Indeterminate Coefficients, Fundamental Properties of Logarithms, Compound Interest, and Annuities.

*Plane Geometry.*—Including fundamental notions of Symmetry, and examples of Loci and Maxima and Minima of Plane Figures; so much, for example, as in contained in the first five books and the appendix of Phillips and Fisher's Geometry.

*Solid and Spherical Geometry.*—So much, for example, as is contained in the last four books of Phillips and Fisher's Geometry.

*Trigonometry and the use of Logarithms.*—Including the Analytical Theory of the Trigonometrical Functions, and the usual formulae; the Construction and Use of Trigonometrical Tables; and the Solution of Plane Triangles; so much, for example, as is contained in the first six chapters of Newcomb's larger Trigonometry and in articles 75–78 of chapter viii, with the explanation of the first five tables in Newcomb's five-figure Logarithmic and Trigonometric Tables, which are furnished at the examination in New Haven. Candidates examined elsewhere are provided with Beebe's four-place tables, published by H. H. Peck, New Haven.

2 *Botany.*

A knowledge will be required of the principles of classification and of the structure of flowering plants. Candidates must be able to give the main characters of important groups of plants and to identify, by analysis, common flowering species.

3 *Geology.*

A knowledge is necessary of physiographical, lithological, dynamical, and historical Geology, so far as it is treated of in general text-books of Geology. Candidates must be familiar with the influence of the atmosphere and water on earth sculpture; with the subjects of oceans, continents, lakes, springs, rivers, valleys, mountains, glaciers, volcanoes, earthquakes, etc.; with the structure and classification of the more important rocks; with stratification, joints, shearing, cleavage, faults, mineral veins, dykes, etc.; and with the different geological periods.

4 *Chemistry.*

There will be required (*a*) a knowledge of the common elements and their compounds, based upon class-room and laboratory work. This will include the ability to sketch the apparatus used in the laboratory experiments, and to describe the phenomena observed. (*b*) Ability to write equations of simple reactions and to make calculation of the quantities involved in them, atomic weights being supplied. (*c*) Familiarity with the laws of chemical combination, including gases, and with the fundamental atomic and molecular theories.

5 *Physics.*

The examination will be designed to test the candidate's familiarity with the general phenomena of mechanics, sound, light, heat, magnetism, and electricity, and his knowledge of the simpler laws governing these phenomena.

6 *German or French.*

Candidates will be required to translate at sight simple prose selections from German or French authors, and to have such knowledge of grammar as will enable them to read the selections intelligently. This implies familiarity with the declensions of nouns, adjectives, and pronouns, with the conjugation and inflection of verbs, and with the syntax of cases. An ability to translate simple sentences from English into German or French will also be requisite. The candidate is at liberty to decide for himself in which of the two languages he shall be examined.

7 *English.*

Each candidate will be required to write an essay of not less than 800 words on some subject which he himself may select.

8 *Political Economy.*

So much, for example, as is included in Hadley's *Economics* and Jevons' *Money and the Mechanism of Exchange.*

## EXAMINATIONS

Examinations for admission to the Forest School will be held in New Haven at the Forest School, 360 Prospect St., on Thursday, Friday and Saturday, June 27, 28 and 29, and on Monday, Tuesday and Wednesday, September 23, 24 and 25, 1901. Attendance is required at 9 A. M. on the opening day of the examinations.

On June 27, 28 and 29, 1900, examinations will be held at those places in the following list from which applications are received :

Albany, N. Y., at the Albany Academy ;
Andover, Mass., at Phillips Academy ;
Auburn, N. Y., at the High School ;
Buffalo, N. Y., at the Central High School ;
Chicago, Ill., at the Bryant & Stratton Business College, northwest corner Wabash avenue and Congress street ;
Cincinnati, O., at the Hughes High School, 5th street, head of Mound ;
Cleveland, O., at the University School ;
Columbus, O., at the High School ;
Concord, N. H., at St. Paul's School ;
Denver, Col., at the East Denver High School ;
Detroit, Mich., at the Central High School ;
Duluth, Minn., at the Craggencroft School ;
Easthampton, Mass., at Williston Seminary ;
Exeter, N. H., at Phillips Academy ;
Groton, Mass., at Groton School ;
Kansas City, Mo , at the Kansas City High School, southeast corner of 11th and Locust streets ;
Knoxville, Tenn., at the University School ;
Lakeville, Conn., at the Hotchkiss School ;
Lawrenceville, N. J., at the Lawrenceville School ;
Louisville, Ky., at the Male High School ;
Milwaukee, Wisc., at the Milwaukee Academy, 471 Van Buren street ;
New York City, at the Y. M. C. A. building, 23d st. and 4th ave.;
Norwich, Conn., at the Free Academy ;

Pasadena, Cal., at the Classical School, 59 So. Euclid avenue;
Philadelphia, Pa., at the Eastburn Academy, 700 North Broad street;
Pittsburg, Pa., at Shady Side Academy;
Pomfret, Conn., at the Pomfret School;
Portland, Oregon, at the Bishop Scott Academy;
Pottstown, Pa., at the Hill School;
St. Joseph, Mo., at the Central High School;
St. Louis, Mo., at the Board of Education building, corner 9th and Locust streets;
St. Paul, Minn., at the High School;
San Francisco, Cal., at the Urban School, 2124 California street;
Scranton, Pa., at the School of the Lackawanna;
Sing Sing, N. Y., at Dr. Holbrook's School;
Southborough, Mass., at St. Mark's School;
Tacoma, Wash., at the Tacoma Academy;
Washington, D. C., in the rooms of the Patent Law Association, in the Warder Building, S.E. corner of 9th and F streets, N.W.

Candidates who propose to take the examinations elsewhere than in New Haven are requested to send their names to Prof. Henry S. Graves, 360 Prospect St., New Haven, Ct., before June 15, 1901. A fee of five dollars, payable at the place of examination, will be charged for admission to the examination outside of New Haven.

## CURRICULUM

The regular course covers a period of two years. The subjects have been so arranged that nearly all the preliminary work is completed in the first year. Enough technical Forestry is, however, taught during the first year to enable the students to make silvicultural studies, to investigate the growth and production of trees and forests, to [illegible] forest plantations, and to make thinnings and [illegible] cuttings. The second year is devoted to [illegible] work in the class-room and in the

## COURSES OF INSTRUCTION

### FIRST YEAR

FIRST TERM :—*Introducion to Forestry*—Lectures, 3 hours. *Silviculture*—Lectures, 3 hours. Field Work. *Forest Measurements*—Lectures and recitations, 2 hours. Field Work. *General Morphology of Plants*—Laboratory work and informal lectures, 4 hours (to count as 2 hours). *Forest Botany*—Lectures and laboratory work, 2 to 4 hours (to count as 2 hours). Excursions. *Mineralogy*—Laboratory work, 4 hours (to count as 2 hours). *Zoology*—Lectures, 2 hours.

FIRST HALF SECOND TERM :—*Silviculture*—Lectures, 3 hours. *Forest Measurements*—Lectures and recitations, 2 hours. Field work. *General Morphology of Plants*—Laboratory work and informal lectures, 4 hours (to count as 2 hours). *Forest Botany*—Lectures and laboratory work, 2 to 4 hours (to count as 2 hours). Excursions. *Elementary Petrology*—Lectures, 1 hour. *Zoology*—Lectures, 1 hour. *Forest Physiography and Meteorology*—Lectures, 4 hours. *State and National Forestry*—4 to 6 special lectures. *Forest Hydrography*—4 to 6 special lectures.

SECOND HALF SECOND TERM :—*Silviculture*—Lectures, 3 hours. Field work. *General Morphology of Plants*—Laboratory work and informal lectures, 4 hours (to count as 2 hours). *Forest Botany*—Lectures and laboratory work, 2 to 4 hours (to count as 2 hours). Excursions. *Origin and Nature of Soils*—Lectures, 1 hour. *Zoology*—Lectures, 1 hour. *Surveying and Field Engineering*—Field and class-room work, 4 to 8 hours (to count as 4 hours).

### SECOND YEAR

FIRST TERM :—*Forest Management*—Lectures, 4 hours. Field work. *Forest Technology*—Lectures and laboratory work, 2 to 4 hours (to count as 2 hours). *Lumbering*—Lectures, 2 hours. *Forest Protection*—Lectures, 2 hours. *Forest History*—Lectures, 1 hour. *Jurisprudence*—Lectures, 2 hours. *Diseases of Trees*—Lectures, 2 hours.

FIRST HALF SECOND TERM :—*Forest Management*—Lectures, 4 hours. Field work. *Forest Technology*—Lectures and laboratory work, 2 to 4 hours (to count as 2 hours). *Lumbering*—Lectures, 2 hours. *Forest Protection*—Lectures, 2 hours. *Forest History*—Lectures, 1 hour. *Forest Administration* — Lectures, 1 hour. *Forest Law*—Lectures, 1 hour. *Forest Roads and Trails*—Lectures, 1 hour.

SECOND HALF SECOND TERM :—Field work in Pennsylvania, in the Adirondacks, and in the White Mountains.

# DESCRIPTION OF COURSES OF INSTRUCTION

## BOTANY

*General Morphology of Plants.*
First year, 4 hrs. (to count as 2 hrs.)

Dr. Evans :—

Laboratory work and informal lectures. Beginning with the simplest forms, the various groups of plants are taken up in suitable types, and their structure, development, and mode of life studied and compared.

*Forest Botany.* First year, 2 to 4 hrs. (to count as 2 hrs.)

Prof. Toumey :—

The identification of trees and shrubs, their distribution, habit, and uses. Herbaceous and cryptogamic plants will be briefly considered so far as a knowledge of them may prove useful in Forestry. The course will also include a study of the Anatomy and Physiology of trees.

*Diseases of Trees.* Second year, 2 hrs. first term.

—— ——— :—

Diseases of trees induced by the condition of soil and by climate ; by natural phenomena, such as fire ; by human agency and by animals; and diseases caused by vegetable parasites.

## GEOLOGY

*Mineralogy.* First year, 4 hrs. first term
(to count as 2 hrs.)

Prof. Penfield :—

The instruction in Mineralogy is carried on by means of practical work in a laboratory specially fitted up for the purpose, and is intended to familiarize the student with the common minerals, attention being devoted especially to those which are of economic, geological, or scientific importance. To understand better the Chemistry of the subject, the student is first made familiar with the simple chemical and blowpipe reactions useful in testing minerals, and applies this knowledge later to the determination of unknown species. The students have access to a labelled collection, where they can study the properties of the minerals and make comparisons, and also to extensive unlabeled collections, arranged especially to give them practice and facility in the correct identification of minerals.

*Elementary Petrology.* First year, 1 hr. first half 2nd term.
Prof. PIRSSON :—

A series of lectures of an elementary nature, and without the use of the microscope, on the history, origin, and classification of rocks with special reference to their geologic relations and economic properties. Illustrated by a collection.

*Origin and Nature of Soils.* First year, 1 hr. second half 2nd term.

Prof. PIRSSON :—

The origin and nature of soils with special reference to forests. This course is designed to supplement the previous course and to complete the students' necessary knowledge of rocks and soils.

*Forest Physiography and Meteorology.*
First year, 4 hours, first half 2d term.
Prof. BREWER :—

General conditions necessary to forests; elementary meteorology; forests as related to temperature and its range; to rainfall and its range; to excesses of weather and climate; to the mechanical and chemical nature of soil and ground-water; to the geological character of the surface; to the relief-forms of the land; to other geographical features; the geographical distribution of forests: the aspects of forests as related to climate and topography; and the geological history of forests.

*Forest Hydrography.* First year, 4 to 6 lectures, 2nd term.
Mr. F. H. NEWELL, U. S. Geological Survey :—

Flow of streams; diurnal and seasonal variations; nonperiodic fluctuations; regimen of various rivers; effects of forest and cultural conditions on available flow; underground water.

## LAW

*Jurisprudence.* Second year, 2 hrs. first term.

Mr. GAGER :—

An historical and philosophical view of the Law in its great outlines, as common to all nations, and particularly as developed in the Anglo-Saxon race. The course is designed to point out also the principal rights acquired, the duty owed, and the liabilities incurred in the every-day conduct of affairs. Text-books are read in connection with the lectures, and examinations are held at stated intervals.

*Forest Law.* Second year, 1 hr. first half 2nd term.

——— ——— :—

Special consideration of the laws and decisions in the various States with reference to trespass, river driving, breach of contract, damages resulting from forest fires, etc., etc.

## ZOOLOGY

*Zoology.* First year, 2 hrs. first term, and 1 hr. second term.

Prof. VERRILL :—

A general course of lectures on Systematic Zoology. This course is given to the students of Biology in the Sheffield Scientific School.

*Entomology.*

(See "Forest Protection.")

## ENGINEERING

*Surveying and Field Engineering.* First year, 4 to 8 hrs. (to count as 4 hrs.) second half 2nd term.

——— ——— :—

A special course will be given, occupying two afternoons in the week, which will give the student the training in Surveying and Field Engineering necessary to a forester. Land and topographical surveys will be made, plotted, checked, traced, and blue-printed. Levels will be run and profiles drawn. Special problems likely to occur in practice will be taken up in the field in [illegible]

*Forest Roads and Trails.* Second year, 1 hr. first half 2nd term.

——— ——— :—

A course of lectures covering the principles of road construction so far as such knowledge is necessary to a forester.

## TECHNICAL FORESTRY

*Introduction to Forestry.* First year, 3 hrs. first half year.

Prof. TOUMEY :

This course is designed to give a comprehensive view of Forestry with special reference to its economic aspects. It considers the purpose and scope of Forestry, its importance in national economy, the indirect influence of forests, the relation of the State to forests and Forestry, the need for Forestry and its practice in the United States. It is open to undergraduates of the University.

*Silviculture.* First year, 3 hrs.

Prof. GRAVES :—

Characteristics of forests; the forests of the world; forest regions of the United States; special consideration of trees important in Forestry; methods of conducting silvicultural studies; methods of reproducing forests; treatment of forests. Forest planting will be taught in the spring term by the Assistant Professor of Forestry. Attention will be given to the planting and care of trees in streets and parks for ornament and shade, with notes as to the relative suitability of different trees to these uses.

*Forest Measurements.* First year, 2 hrs. first term, and first half 2nd term.

Prof. GRAVES :—

Methods of determining the contents of felled and standing trees and of whole stands; methods of estimating timber; use of American log scales; determination of diameter, height, and volume increment.

*State and National Forestry.* First year, 4 to 6 lectures, 2d term.

Mr. Gifford Pinchot, Forester in the U. S. Department of Agriculture :—

Interest of the States and the United States in Forestry ; province of State and Federal action in forest matters ; forest reserves ; State forest officers and organizations ; Governmental Forestry abroad.

*Forest Management.* Second year, 4 hrs. first term, and first half 2d term.

Prof. Graves :—

Forest measurements applied to the preparation of working plans ; forest valuation ; forest finance ; underlying principles and methods of preparing and carrying out forest working plans.

*Forest Technology.* Second year, 2 hrs. first term, and first half 2d term.

Prof. Toumey : —

Study of commercial woods in relation to their uses and important characteristics.

*Lumbering.* Second year, 2 hrs. first term, and first half 2d term.

Prof. Toumey :—

Methods of lumbering ; transportation of logs and lumber ; milling ; preparation of wood for market. Secondary forest products.

*Forest Protection.* Second year, 2 hrs. first term, and first half 2d term.

Prof. Toumey :—

[illegible] consideration of trespass, fire, grazing, insects, wind, tor-[illegible] sand, etc., and of practical measures to protect [illegible] from them. This course will include the [illegible] trees so far as that subject is

*Forest History.* Second year, 1 hr. first term, and first half 2d term.

Prof. GRAVES:—

Rise of Forestry abroad and in the United States. Present practice of Forestry in different countries.

*Forest Administration.* Second year, 1 hr. first half 2d term.

Prof. GRAVES:—

Principles underlying the establishment of a forest service. Present laws relating to the administration of forests in the United States. Rules and regulations relating to the public lands, Forest Reserves and National Parks.

## FIELD WORK

Excursions and field work will form an important part of the instruction in Forestry. Several tracts of woodland have been selected at and near New Haven, where the students will be given instruction and practice in taking forest measurements, making forest descriptions, marking trees for cutting, preparing working plans on a small scale, sowing, planting, etc. Frequent excursions will be taken in connection with the course in Forest Botany to train the students in the identification of local species.

After the spring vacation in the second year, the entire work will be transferred to the field. The students will spend the first few weeks at Milford, Pa., on the estate of Mr. J. W. Pinchot. The rest of the spring will be spent in the Adirondacks and probably also in the White Mountains on tracts belonging to Mr. William Rockefeller and the International Paper Co. Practical instruction will be given during this term in various branches of forest work, including taking forest measurements, preparing working plans, marking trees for cuttings, making silvicultural studies, etc. Field work in Forest Hydrography will be given in the Adirondacks under the direction of Mr. F. H. Newell.

## THE SUMMER SCHOOL OF FORESTRY

The purpose of the Summer School at Milford, Pa. is to provide instruction for those who can not attend the Forest School at New Haven, or who desire instruction of a different character. The latter is a graduate school, and the strict requirements for admission will probably exclude many who have not had the requisite training, but who may wish to take a general course in Forestry. Such students may be classified as follows:

1. Owners of woodlands.
2. Forest Rangers.
3. Teachers and others who wish to acquire a general knowledge of Forestry.
4. Students of Forestry who wish to occupy their vacation in practical forest work.
5. Students of Forestry who are deficient in certain subjects.
6. Graduate students desirous of pursuing advanced forest work.
7. Possible students of Forestry who desire to investigate the subject.

The school will be open in July, 1901. The length of the regular course will be about two months.

### EXPENSES

The fee for a single session at the Summer School of Forestry will be $20. An extra fee of $15 will be charged to those occupying school camps. The cost of board for those living in camp will probably average less than $5 per week. Board and lodgings can be obtained in the village at prices ranging from $5 per week upwards.

### COURSE OF INSTRUCTION

The regular course will touch, in general, the technical subjects given during the first year at the Yale Forest School. Informal lectures will be given on the nature and scope of Forestry, on Silviculture, Forest Measurements and Forest Botany. Practical instruction will be given in the woods in marking thinnings and other cuttings, in establishing plantations, taking forest measurements, and in other forest work. The professor in charge of the school will direct the studies of those who may wish to carry on special forest work.

# STUDENTS

| | | |
|---|---|---|
| Alfred Ackerman, B.A.<br>University of Georgia 1898 | *Cartersville, Ga.* | 55 Prospect st. |
| Charles Sydney Chapman, B.AGR.<br>Storrs Agricultural College 1898 | *Westbrook, Conn.* | 360 Prospect st. |
| Alfred Knight Chittenden, PH.B.<br>Yale University 1900 | *New Haven* | 83 Trumbull st. |
| George Edwards Clement, B.A.<br>Harvard University 1900 | *Boston, Mass.* | 360 Prospect st. |
| Christopher Temple Emmet, M.E.<br>Stevens Institute of Technology 1891 | *Portchester, N. Y.* | 208 Canner st. |
| George Hewitt Myers, B.A.<br>Yale University 1898 | *Washington, D. C.* | 360 Prospect st. |
| Roy Leon Marston,<br>Bowdoin 1899 | *Skowhegan, Me.* | 360 Prospect st. |

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